

**Rajiv Gandhi University of Health Sciences, Karnataka**  
**II Year B.Sc. Renal Dialysis Technology Degree Examination – 05-Dec-2023**

**Time: Three Hours**

**Max. Marks: 100 Marks**

**Pharmacology Related to Haemodialysis and Peritoneal Dialysis (RS-3)**

**Q.P. CODE: 3303**

Your answers should be specific to the questions asked  
Draw neat labeled diagrams wherever necessary

**LONG ESSAYS (Question No.2 Choice)**

**2 x 10 = 20 Marks**

1. Classify antihypertensive drugs. Write the mechanism of antihypertensive action, uses and adverse effects of Angiotension – converting enzyme (ACE) inhibitors.
2. List the different types of IV fluids. Write their composition and describe their uses.

**OR**

Classify immunosuppressants. Write the mechanism of action and uses of any one of them.

**SHORT ESSAYS (Question No.5 & 10 choice)**

**10 x 5 = 50 Marks**

3. Dialyzable drugs.
4. Compare and contrast furosemide and hydrochlorothiazide.
5. Parenteral iron.

**OR**

Water soluble vitamins.

6. Amoxicillin.
7. Heparin.
8. Erythropoietin.
9. Protamine sulphate.
10. Haemodialysis solution

**OR**

Peritoneal dialysis.

11. Vaccines in dialysis patients.
12. Treatment of urinary tract infection.

**SHORT ANSWER (Question No. 15 & 20 choice)**

**10 x 3 = 30 Marks**

13. List three vasopressors.
14. List three antibiotics which are safe in renal failure.
15. Vitamin D

**OR**

List three oral anticoagulants.

16. List three crystalloids and three colloids used as plasma expanders.
17. Name three Nephrotoxic drugs.
18. Write three uses of spironolactone.
19. List three inotropes.
20. Calcium supplements.

**OR**

Explain what is continuous renal replacement therapy?

21. Name three phosphate binders.
22. List three antiplatelet drugs.

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